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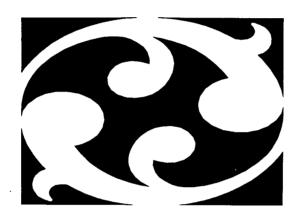
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## ABSTRACT

This manual, which is intended for educational providers responsible for working with company supervisors of learners involved in workplace basic skills classes, consists of agendas, activities, and other materials for two 3-hour meetings intended to help workplace educators solicit the input required to develop a holistic, outcome-based approach to effective instruction and bridge the gap from transfer of instruction to the workplace. Although the meeting agendas were developed for a specific workplace education program funded by a national literacy grant, they can be adapted and customized to fit the needs other workplace education programs and companies. The topics on the first meeting's agenda are as follows: overview (goals and objectives, grant participants' roles, value of basic skills education); what information is learned (job icebreaker activity, education terminology, curriculum to build knowledge in the workplace and beyond); and how information is learned (learning styles, learning styles in the workplace, and characteristics of adult learners). The second meeting is devoted to the following topics: communication (expected employee behaviors, effective listening, questioning techniques, feedback skills, communication suggestions); knowledge transfer (National Grant Evaluation chart, six-step student transfer process); and evaluation (supervisor questionnaire, supervisor's assessment form, workshop evaluation sheet). (MN)

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NATIONAL WORKPLACE LITERACY PROGRAM COLLEGE OF LAKE COUNTY GRAYSLAKE, ILLINOIS

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## **INTRODUCTION**

This manual is a compilation of activities and ideas for educational providers to use when working with company supervisors of learners involved in workplace basic skills classes. They are easily adaptable and can be customized to fit the needs of each company and program. The two three-hour meetings are comprised of six sections: 1) Overview, 2) What You Learn, 3) How You Learn, 4) How and What You Communicate, 5) How and What You Transfer, and 6) How and What You Evaluate.

The supervisors are essential for a successful educational program and their involvement in providing information and learning about the basic skills classes is an effective method for achieving success. The supervisor meetings are also instrumental in bridging the gap from transfer of instruction to the workplace. Our national workplace literacy grant attempts to involve, on a rotating basis, all supervisors directly interacting with the learners in order to provide a holistic and outcome-based approach to effective instruction.

## National Workplace Literacy Program

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## **DESCRIPTION OF PROCESS**

## A. Time

This program is designed for two three-hour meetings. It is advisable to have a one to two week break between the meetings in order to have the supervisors bring materials, ideas, and observations from the workplace. It is also possible to have one three-hour meeting with specific selected topics.

## B. Scheduling

Early morning seems to best fit company needs. The meetings should be held while workplace skill classes are in session.

## C. Participants

There are two supervisors designated and invited by the human resource person or company contact, upon recommendation that they (the supervisors) be from the departments with a number of learners. This program is structured to involve all business partners, so we attempt to have at least four companies represented at the two meetings (8 supervisors). This blending of companies and supervisors allows for discovery of commonalities, sharing of concerns and issues, gaining broad perspectives, and networking among supervisors. It is also possible to hold these meetings within one company with 2-3 supervisors, human resource personnel, and plant manager.

## D. Costs

The supervisors are provided release time to attend the meeting(s). State or federal funded programs can anticipate and build this essential component into the budget as it directly relates to the effectiveness and success of instruction. Contractual workplace programs can sell and include this as an instructional component with charges based on number of meeting hours.



## AGENDA

## **SUPERVISOR MEETING 1**

## **OVERVIEW**

- 1. Goals and Objectives
- 2. Roles of the Five Grant Participants
- 3. Value of Basic Skills Education

## WHAT YOU LEARN

- 1. Job Icebreaker: First Paying and Current Job
- 2. Terminology: Educational Lingo
- 3. Curriculum: Building Knowledge in the Workplace and Beyond

## **HOW YOU LEARN**

- 1. Learning Styles: Learning Styles Inventory
- 2. Learning Styles in the Workplace: Left/Right Brain Dominance Characteristics in the Workplace
- 3. Adult Learner: Characteristics of Adult Learners



## Supervisor Meetings

## **GOAL**

To increase the supervisor's knowledge of the workplace basic skills program, understanding of his/her educational role in the national grant, and to present some methods for enhancing oral and intercultural communication

## **OBJECTIVES**

- 1. To introduce CLC grant curriculum: examples, rationale, and usage
- 2. To offer suggestions and ideas in order to facilitate communication between learners and supervisors
- 3. To present methods for providing educational reinforcement on the job
- 4. To explain the CLC grant documentation process of class to workplace transfer

We will conduct 2 three hour meetings with the supervisors who directly interact with the learners in our workplace literacy program. We are scheduling 2 representatives from each partner company (12 total) for each six hour meeting session in order to involve all supervisors.



## NATIONAL WORKPLACE LITERACY GRANTS

## Roles in the National Workplace Literacy Program

Responsibilities	Participants	1994 - 1997 Facts
• Provides the money	U.S. Government	□ \$18.3 million
<ul> <li>Chooses applications that could best achieve objectives and develop model products</li> <li>Monitors grant operations</li> <li>Publishes grant reports and findings</li> </ul>	Department of Education	☐ 46 national grants ☐ 3 year grant period ☐ 3 program officers ☐ 3 grant officers ☐ 1 evaluation consultant ☐ 1 measurement consultant
<ul> <li>Provides instruction</li> <li>Trains teachers</li> <li>Customizes curriculum</li> <li>Advises participants in education and career goals</li> <li>Disseminates best practices</li> </ul>	Educational Provider	☐ Community College - Center for Economic Development - Adult Education Department
<ul> <li>Provides time for instruction</li> <li>Participates as advisory committee members</li> <li>Assists in evaluation procedures</li> <li>Institutionalizes program</li> <li>Disseminates best practices</li> </ul>	Business	☐ 6 business partners - KENALL - NICHOLS ALUMINUM - GENERAL METAL - STONE CONTAINER - BAXTER - MACLEAN-FOGG
<ul> <li>Attends classes</li> <li>Acquires and/or improves skills and knowledge</li> <li>Applies acquired skills and knowledge to the workplace</li> </ul>	Learner	☐ 300 participants ☐ Release / paid time for learning ☐ Receives education and career advising



## Value of Basic Skills Education

- increases productivity
- develops more effective workers
- improves personal life which affects work ethic
- promotes life long learning
- allows for flexibility within company and for future cross training
- encourages/builds confidence for promotion
- enhances cognitive and metacognitive skills



## **ICEBREAKER**

Discuss: What was your first paying job and what basic skills did you need?

Now: Think about your present job and what skills do you need?



## **Educational Lingo**

Work with a partner to define these terms. Guessing is allowed!

1.	GED
2.	ESL
3.	ABE
4.	TEP
5.	TABE
6.	ESLOA
7.	ESP
8.	basic skills
9.	literacy
10.	mastery
11.	customized curriculum
12.	assessment
13.	needs analysis
- 14.	learner-centered instruction
15.	teacher-centered instruction
16.	learning objectives

As a supervisor: Which are the two most meaningful itemsfor you to fully understand?



## **Educational Lingo**

Work with a partner to define these terms. Guessing is allowed!

1.	GED General Education Development
2.	ESL English as a Second Language
3.	ABE Adult Basic Education
4.	IEP Individualized Education Plan ?
5.	TABE Test of Adult Basic Education
6.	ESLOA ESL Oral Assessment
7.	ESP English for a Specific Purpose
8.	basic skills basic to performing a job effectively in a modern workplace
9.	literacy ability to read and write in your native language
10.	mastery achievement of a skill at 80%
11.	customized curriculum _ curriculum specific to the needs of the employers, and workplace students
12.	assessment measurement of skills and knowledge using various methods
13.	needs analysis identifying educational needs through analysis of job and company
14.	learner-centered instruction <u>determined by the learners with assistance from the teacher</u>
15.	teacher-centered instructiondetermined and presented by the teachers only
16.	learning objectivesmeasurable skills, basic and workplace, taught in the workplace classroom

As a supervisor: Which are the two most meaningful items for you to fully understand?



What resources
or information
could you give to instructors
in order to teach this
objective?



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## **WORKPLACE MATH I and II**

use, and application of different measurement systems used in the company, focusing on precision and accuracy. Simple formulas using Basic measurement principles, as well as measurement readings and conversions, are also emphasized. The course culminates with the instructor should be careful to insure that the student or students possess the prerequisite math skills needed to do the work. The chart These courses are designed sequentially to emphasize the basic math skills needed in the workplace. Workplace Math I stresses basic solving a problem, estimating an answer, and determining if an answer makes sense. Use of a calculator, if it is employed on the job, addition to the skill-based goals of both courses, the instructor should emphasize the concepts of knowing which operation to use in Workplace Math I (the first goal), to insure a solid foundation of prerequisite knowledge. The course then goes on to the structure, interpretation of charts, graphs, tables, and/or diagrams used in the company Workplace Math II begins with a compact review of arithmetic calculations and mathematical terminology involving whole numbers, fractions, and decimals which are used on the job. principles, basic algebra, and measurements to calculate weights, perimeter, and area of company products completes this course. below displays the goals in each course. For a more detailed description of the courses with the learning objectives for each goal, ratio, proportion, and percentage as they are used in the production process are also featured. Finally, the merging of geometric may be woven into both courses. Although goals may be selected from the two courses to individualize a course of study, the workplace contexts, basic skills, and measurable outcomes, see the course outlines which follow.

## COURSE GOALS

WORKPLACE MATH I	Read, match, count, and compare whole numbers on	and work order
------------------	--	----------------

product

- Add, subtract, and multiply whole numbers to determine quantity of company product
- quantity of company product
  Add, subtract, multiply, and divide whole numbers to fill out a
  time card
- Add and subtract fractions or decimals on specifications or drawings to calculate upper and lower control limits and determine if a product is within those limits
- Read and record fractional or decimal measurement of a product using an appropriate measuring tool

Convert fractional measurement of product to decimal

equivalent and vice versa
Read and interpret company charts, graphs, tables, and/or diagrams

## WORKPLACE MATH II

- Perform arithmetic with fractional and/or decimal measurement numbers used in the company
  - Convert from U.S. standard to metric measure and vice versa using company product specifications
    - Read, convert, and record direct measurement where the numerical reading is displayed on some sort of scale Solve problems involving ratio and proportion to determine machine downtime and scale drawings
- Determine percentage of any of the following workplace situations: waste, downtime, shrinkage, efficiency of a process or a machine, percent increase or decrease of a company process
  - Using the relationship of geometric principles, basic algebra, and measurements, determine perimeter, area, and weight of

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## **WORKPLACE MATH!**

Learning Objectives	Workplace Contexts	Basic Skills	Possible Activities	Outcome
Goal #1: Read, match, count, and o	d compare whole	numbers on pro	compare whole numbers on product and work order.	
Identify and read whole numbers on a work order. Compare whole numbers on work orders. Identify and correct transposed numbers.	Work orders Linventory sheets	Read whole numbers Compare whole numbers	Give students an inventory sheet and several work orders. Ask them to match work orders with available product. As a group discuss how the transposition of numbers occurs and how to prevent it.	Read and compare whole numbers on a work order to product.
Goal #2: Add, subtract, and multip		ers to determine	ly whole numbers to determine quantity of company product.	
Predict the approximate number to any calculation before actually performing it.  Add and subtract whole numbers to determine the net weight of product to be shipped.  Multiply whole numbers to determine the amount of product to be shipped.	Work orders Shipping and receiving	Estimation Add and subtract whole numbers Multiply whole numbers.	In pairs, have students estimate and record the answers to several whole number problems. Next, have students calculate the correct answer. Compare answers and discuss the importance of estimating answers in a technical trade. Use several different job scenarios in which an employee would have to report the quantity of product ready for shipping.	Using number of skids, and number of product per skid, use arithmetic to deter- mine the amount of product.
Goal #3: Add, subtract, multiply, a	, and divide who	e numbers in ord	nd divide whole numbers in order to fill out a time card.	
Add and subtract whole numbers to determine number of hours worked in a day.	Time cards Time clock, if used	Add and subtract whole numbers	Create several time cards in which some are incorrectly filled out. Have students select the correct ones and correct the errors on the incorrect time cards.	Complete a time card by recording

## **ESL AT WORK 1-3**

The goals of the three courses are generalized, but the objectives are specific and measurable tasks. Topics range from spelling one's name aloud to participating in a performance evaluation and are grouped into three levels. The chart below displays the goals in each functional approach to the courses stresses performing communicative tasks that are appropriate to workplace settings and situations. These courses are designed in modular fashion. They address the language skills of listening, speaking, reading, and writing in the context of the workplace. The content of the courses is presented according to difficulty, priority, and frequency of use. The level. For a more detailed description of each level's content with learning objectives, workplace contexts, basic skills, and measurable outcomes, see the course outlines which follow.

## **COURSE GOALS**

Listening and Speaking Goals	Reading and Writing Goals
ESL at Work - Level 1	ESL at Work - Level 1
<ul> <li>Provide personal information orally.</li> </ul>	<ul> <li>Decode workplace forms.</li> </ul>
<ul> <li>Make and respond to greetings.</li> </ul>	Recall information.
<ul> <li>Discuss job duties, tools, and equipment.</li> </ul>	<ul> <li>Construct meaning from workplace materials.</li> </ul>
<ul> <li>Give and respond to safety warnings.</li> </ul>	<ul> <li>Complete simple workplace forms.</li> </ul>
	ESL at Work - Level 2
ESL at Work - Level 2	<ul> <li>Scan workplace texts for specific information.</li> </ul>
<ul> <li>Give and follow oral instructions to complete a task.</li> </ul>	<ul> <li>Read instructions to complete a task or explain a procedure.</li> </ul>
Report problems.	Write a workplace note or memo.
<ul> <li>Respond appropriately about one's work.</li> </ul>	<ul> <li>Write instructions to complete a task or explain a procedure/</li> </ul>
	<ul> <li>Fill in simple charts and graphs.</li> </ul>
ESL at Work - Level 3	ESL at Work - Level 3
<ul> <li>Identify workplace-related problems and discuss possible solutions</li> </ul>	<ul> <li>Read and interpret a variety of work-related documents.</li> </ul>
<ul> <li>Paraphrase workplace instructions.</li> </ul>	<ul> <li>Read and interpret training materials.</li> </ul>
<ul> <li>Describe process for promotion and discuss abilities and strengths.</li> </ul>	<ul> <li>Fill out application for promotion.</li> </ul>
	<ul> <li>Write short paragraphs on a variety of work-related topics.</li> </ul>



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## **ESL AT WORK - Level 1**

Learning Objectives	Workplace Contexts	Basic Skills	Possible Activities	Outcome
Listening and Speaking Goals: Make and respond appropriately to introductions. Discuss jand equipment. Give and respond to safety warnings. Provide personal information orally.	ake and respond d to safety warni	appropriately to ings. Provide per	ntroductions. Discuss jobs, duties, tools, sonal information orally.	ıties, tools,
Say letters and numbers.	Company forms	Recognize letters	Pair Dictations	Verify personal information by
Spell personal information.	Team or group	Make introductions		spelling words aloud and
Introduce self.	meetings	Linderstand	Whole-class or Pair Match-ups	saying
Introduce co-workers.	Company events	intonation and		clearly.
Make and respond to formal greetings.			Role Play introductions and greetings	Introduce self
Make and respond to informal greetings.	Company maps	Identify familiar words		to new employee or visitor
Ask and answer basic questions about	lob descriptions	Identify key words	Pair Interviews/Share information with	
ספו מום זמווויץ.	silondinosan doc	Ask and respond to	Class	⊏ngage In "small talk" on
Ask and answer yes/no and short answer questions about the company.	Standard	greetings	Role Play	break or at lunch.
Name work areas and locations of offices	Operating Procedures	Ask and answer yes/no, either/or,		Respond orally
and facilities.	:	and wn-questions	Information Gap activity based on company floor plan	to questions about company
Name the machines and jobs.	Employee Manual	Read floor plans and maps		name, location, products, etc.
Ask and answer questions about physical location.	Safety signs	Sequence job tasks	Total Physical Response Activity (TPR) - Put job tasks in order	
Ask and answer questions about job tasks and procedures.		Use repetition to verify information	-	
Ask for clarification about job tasks and requests.		Follow oral instructions		

## **COMMUNICATION SKILLS I and II**

course, or the courses may be taught as is. The flexibility of this design offers may options to the company, instructor, and student. The matching goals. For example, the instructor and student may design an individualized course of study by selecting specific goals needed writing, listening, and speaking is the highest skill level in that particular section and a culmination of the previous goals. The following chart displays the goals in each course. For a more detailed description of the courses with the learning objectives, workplace contexts, by the student, the instructor may design a course based on a company's immediate needs by selecting the appropriate goals from each speaking skills. Communication Skills II emphasizes writing skills along with basic discussion techniques. Each goal includes specific goal and can demonstrate satisfactory completion of previous goal outcomes, they may do so. The final goal in each area of reading, completion of one goal does not necessarily depend on completion of the previous goal. If students wishes to begin at a higher level These two courses are designed in a modular fashion. Communication Skills I stresses reading skills along with basic listening and learning objectives, workplace contexts, a list of some of the basic skills needed to attain the goal, some possible activities, and an example of a measurable outcome to show mastery of the goal. The course should be customized for the learners by mixing and order of goals in each course is designed to progress from beginning-level skills to increasingly more difficult skills, although basic skills, and outcomes, see the course outlines following this page

## COURSE GOALS

COMMUNICATION SKILLS I - Focus on Reading	COMI	COMMUNICATION SKILLS II - Focus on Writing
Locate and comprehend product information on a work order	•	Fill in date, time, and other requested information on work
Read and comprehend written work instructions from a		forms
supervisor or team leader	•	Apply note-taking skills in a training session and/or meeting
Read and comprehend company safety standards and	•	Write a short note or simple memo about a request or
procedures		workplace occurrence
Read and interpret employee handbook and/or company	•	Write a descriptive paragraph of a workplace event or situation
policies	•	Write a sequential job procedure
Read and interpret company schedules, charts, and graphs	•	Organize information into a written report
Evaluate the accuracy of written sequential standard operating	•	Apply appropriate discussion techniques in a team or group
procedures and/or job descriptions		meeting
Listen to and comprehend instructions from supervisor or co-		•
worker		
Give directions to team members or co-workers		



Get information from supervisor or team leader

# **COMMUNICATION SKILLS I - Focus on Reading**

(Emphasis		Skills, Listening ar	on Reading Skills, Listening and Speaking Skills)	
Learning Objectives	Workplace Contexts	Basic Skills	Possible Activities	Outcome
Reading Goal #1: Locate and comprehend product information on a work order.	nprehend produc	st information on a	work order.	
Identify categories on a work order.	Work orders	Skim for overview	List the types of information found on a work order	Identify
Locate information in the appropriate category on a work order.	Shipping labels Production orders	Scan for details Read technical	Highlight or underline task-related words, abbreviations and/or acronyms	details on a work order.
Recognize and interpret task-related words, abbreviations, and acronyms.	Product labels	terms	Locate and define new vocabulary words	
Distinguish between important information and unimportant information as it relates to a particular work order.		Access dictionary Use back-ground knowledge	Create a list of yes/no and short answer questions which elicit information found on a work order.	
Locate new non-technical vocabulary in a dictionary when appropriate.			Prepare a list of true/false statements based on customer information found on a work order.	
Reading Goal #2: Read and compre	orehend written v	work instructions	hend written work instructions from supervisor or team leader.	
Skim for overview of written work instructions.	Written work instructions	Skim for general information	Choose examples of written work instructions from a text or "create" some.	Explain either in an
State main idea of work instructions.	single words,	Scan for detail	Discuss the purpose of the instructions and whether or not the writer wrote clear	oral or written
Scan for detail of written work instructions	pnrases, sentences.	Read technical terms	confusing? Discuss how the learners could seek clarification, if needed.	manner an under- standing of
Recognize and interpret task-related words, abbreviations, and acronyms on written work orders.		Sequence information	Decide which format-lists of phrases, single words, or complete sentences make the most effective method of written communication.	a set of written work instructions.
Order instructions sequentially, if needed.				



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# PROBLEM SOLVING IN THE WORKPLACE

specific learning objectives, workplace contexts, a list of some of the basic skills needed to attain the goals, some possible activities, and skills, this strategy also promotes the interpersonal skills necessary for successful execution of group projects in the workplace. As the This course emphasizes problem solving as a process and uses a project-based team strategy. In addition to teaching problem-solving students learn in a cooperative team atmosphere, they also learn to transfer those skills to an individual situation at work or outside of maximum benefit. The ideal conclusion of the course is the presentation of the problem-solving process in the context of a real-life workplace problem. The chart below outlines the goals for this course. For a more detailed description of the course goals with work. The goals and learning objectives in this course are arranged sequentially and should be taught accordingly to achieve the examples of measurable outcomes to show mastery of the goals, see the course outlines which follow.

## COURSE GOALS

# PROBLEM SOLVING IN THE WORKPLACE

Understand problem solving as a process

•Recognize and identify problems in the work environment

•List and discuss the interpersonal skills necessary for

successful team approach projects in the workplace

Define a workplace problem using a team project-based approach

Generate and verify possible causes of problem

•Identify and evaluate alternative solutions to the problem

Create an action plan to implement the solution to the problem

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# PROBLEM SOLVING IN THE WORKPLACE

Learning Objectives	Workplace Contexts	Basic Skills	Possible Activities	Outcome
Goal #1: Understand problem solving as a process.	olving as a proce	.ss.		
Define "process".  Outline the steps in a problem solving process for a general overview of the process.  Discuss different approaches to problems	Situations, issues, questions, dilemmas, controversies, or decisions in the workplace.	Generate ideas Sequence steps Compare and contrast information	As a group discuss the concept of "process". Ask the students to give examples of a process from their work experiences.  Discuss how the students solve problems at work and at home. Do they use the	Complete a flow chart of a problem solving process.
including team approach and individual. Recognize that problems often offer opportunities.		Organize and process information-(Seeing Things in the Mind's Eye)	same process or a different one? Ask students to create a flow chart of a process from a narrative description.	
Goal #2: Recognize and identify problems in the work environment.	/ problems in the	work environmen		
Determine a common definition of the word "problem".  List possible reactions to problems in the workplace such as denial, blame and avoidance.  Identify possible situations, issues, questions, dilemmas, controversies, or decisions in the workplace that could be potential problems.	Communication problems. Production problems Time management problems Personal problems Value or cultural conflicts	Generate ideas Describe situations Evaluate and choose relevant situations or central issues for problem solving	Create a variety of statements using a mixture of problem statements and nonproblem statements to identify the problem statements and explain why it is a problem statement.	List possible problems found in the work environ- ment.

## **Instructional Guide for Basic Blueprint Reading**

## **TOPICS**

- Basic views of objects
- Meaning of lines
- Dimensioning conventions
- Decimal tolerances
- Precision measuring
- Blueprint terms and symbols Title Block/Note column Symbols
- Metric units and customary units
- Measuring angles

## **MATERIALS**

- company blueprints
- company parts that correspond to the blueprints
- digital calipers and other measuring tools used in the company
- calculator, if used

TOPIC	LEARNING OBJECTIVES	TERMS\VOCABULARY	OUTCOME
Basic views	a) Identify the basic views commonly displayed in a technical drawing.	Height Width Depth	Draw a sketch of a simple object
	b) Measure the height, width, depth of a simple object.	Depth Plane	using two or three views on cross- sectioned or plain
	c) Name the three principle views necessary to describe the shape of an object.		paper.
Meaning of lines	a) Describe the commonly used lines on a blueprint.	Object or visible line Hidden line Center line	Identify the lines in a simple blueprint and
	b) Identify the meaning of commonly used lines in a blueprint.	Dimension line Extension line Projection line	match them with their meaning.
Basic Dimensioning	a) Name and describe the two ways a blueprint gives a complete description.  Views and Dimensions and Notes	Extension line Dimension line Center line	Identify the four basic lines used in dimensioning on
Conventions b) Identify the	b) Identify the difference between a dimension line and the visible lines of the drawing	Leader	a blueprint.



1994-97 College of Lake County National Workplace Literacy Program

## LEFT/RIGHT BRAIN SELF-ASSESSMENT

Read the following left and right brain characteristics and circle the most appropriate answers, (the number). The scoring table at the end of the list will help you determine your "dominance." You may find that you are fairly balanced between the two hemispheres.

- 1. I have no trouble making decisions about the correct thing to do.
- 2. I see problems or pictures as a whole rather than in parts or details.
- 3. I follow written directions best and prefer to write and talk.
- 4. I often think of many things at once rather than thinking through one idea at a time.
- 5. I'm usually aware of the time.
- 6. When I'm introduced to someone for the first time, I pay particular attention to the person's face. I later forget the person's name, but I remember his or her face.
- 7. I attack most problem-solving activities analytically and logically.
- 8. When comparing things, I usually look for ways they are alike rather than ways they are different.
- 9. I'd rather take a true/false, multiple-choice, or matching test than an essay test.
- 10. Most often, I use my imagination and I think in an abstract manner.
- 11. If I have a problem, I break it down into smaller, more manageable parts in order to arrive at a solution.
- 12. I seem to learn best if I can observe a demonstration or read the directions.
- 13. Generally, I like to be in control of a situation and I do not like to take too many risks.
- 14. I like assignments that are open-ended rather than more structured assignments.
- 15. I learn best by seeing and hearing.
- 16. I learn best by touching or doing.
- 17. I usually think in concrete patterns and solve problems with a step-by-step approach.
- 18. If I try to remember information, I generally picture it in my mind. Adapted from Learn, copyright 1990 by Incentive Publications, Inc. Nashville, TN.



- 19. Although I sometimes get upset, I am a rational person.
- 20. I don't mind trying anything once; I take risks when it is necessary.
- 21. Sometimes I talk to myself in order to think or learn something.
- 22. I can let my feelings "go". I am considered to be somewhat emotional.
- 23. I solve problems on an intellectual basis rather than an intuitive one.
- 24. People have told me that I'm creative.
- 25. I prefer to think of one thing at a time.
- 26. I like to act in a spontaneous manner.
- 27. I prefer to plan things and know what's going to happen ahead of time.
- 28. I can easily remember melodies and tunes.
- 29. I am usually in control of my feelings.
- 30. I do well in geometry and geography.
- 31. I usually can recall information I need quickly and easily.
- 32 I enjoy reading and writing poetry; it comes to me easily.
- 33. I can really concentrate when I want to.
- 34. When I work in a group, I can "feel" the moods of others.
- 35. I understand mathematical concepts.
- 36. When solving problems or taking tests, I rely on one idea leading to another in order to come to a conclusion.
- 37. I can learn new vocabulary words easily.
- 38. When I plan a party, I "hang loose" rather than plan all of the details.
- 39. I usually can learn easily from any teacher.
- 40. In class I'm generally aware of what everyone is doing.



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- 41. I notice and remember details.
- 42. I can easily see the whole picture when only a few puzzle pieces are in place.
- 43. I don't mind practicing something repeatedly in order to master it.
- 44. I communicate best with someone "in person" rather than on the phone.
- 45. I can remember jokes and punch lines.
- 46. I have trouble concentrating when I know I should.
- 47. I can write directions in a clear and logical manner.
- 48. I sometimes rely on my intuition when making decisions.
- 49. I basically have a day-to-day routine.
- 50. I sometimes can remember things according to where I "saw" them on the page.

SCORING TABLE				
even numbers circled	=	RIGHT BRAIN ABILITY		
odd numbers circled	=	LEFT BRAIN ABILITY		

• Remember, this inventory is only an informal indication of which hemisphere is probably dominant for you. Both sides work together and cannot be totally separated.



## LEFT / RIGHT BRAIN DOMINANCE CHARACTERISTICS IN THE WORKPLACE

LEFT	RIGHT
* does the job step by step	* does the job in a holistic manner
* analyzes the job	* uses intuition and creative problem solving in work decisions
* requires structure or planned workday	* likes when spontaneous changes or requests are made on the job
* controls feelings with co-workers	* expresses feelings with co-workers
* knows the names of co-workers	* recognizes co-workers by their faces
* makes some work decisions logically and deliberately	* makes some work decisions emotionally
* solves work problems in step by step manner	* solves work problems by looking at the whole situation
* time drives the product	* product drives the time
* learns new things on the job by listening and watching	* learns new things on the job with the hands-on approach
* prefers to read, write and discuss items about tools and machines on the job	* prefers to draw diagrams and handle tools and machines on the job
* follows oral work instructions well	* follows written work instructions well
* talks to others to learn more about the job	* uses images to learn more about the job
* prefers work performance to be evaluated using a structured form	* prefers work performance to be evaluated using an unstructured form
* takes few risks on the job	* takes more risks on the job
* looks at differences when doing, for example, quality checks	* looks at similarities when doing, for example, quality checks
* thinks about one thing at a time on the job	* thinks about many things at a time on the job



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## A LEARNING STYLE INVENTORY FOR THE WORKPLACE

The ways in which our brains most successfully take in information are rooted in physical preferences. The three main sensory preferences are:

- Auditory learns best by listening and discussing
- 2 Visual learns best by reading, examining, and seeing
- Tactile/Kinesthetic learns best by handling, touching, moving, doing, and experiencing

Everyone has sensory preferences. However, many people have a balance between two or three of the sensory modes. It is important for learners to know their preferences, so that they will know how to optimize their learning in the classroom and on the job. The following inventory may be used in a workplace classroom as an aid in determining the learning preferences of students.

**Directions:** Think about how you receive and retain information on the job while you read each of the following statements. Then place a check mark () in the box that most accurately describes how you learn on the job.

1.	When my supervisor gives me instruction, I usually remember more when:
	□ a. I listen closely □ b. I watch him speak □ c. I write it down
2.	I usually solve problems at work by:
	<ul> <li>□ a. Talking to myself or a co-worker</li> <li>□ b. Making a list or schedule</li> <li>□ c. Thinking while walking or pacing</li> </ul>
3.	When I can't write down an order number, I remember it by:
	<ul> <li>□ a. Repeating the number aloud</li> <li>□ b. "Seeing" or "imagining" the number in my mind</li> <li>□ c. "Writing" the numbers with my finger on a table, wall, or in the air</li> </ul>
4.	I find it easiest to learn a new task on the job by:
	<ul> <li>□ a. Listening to someone tell me how to do it</li> <li>□ b. Watching someone else do it</li> <li>□ c. Doing it myself</li> </ul>



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5.	What I remember most from a training video is:
	<ul> <li>□ a. What the people said to each other</li> <li>□ b. Where the training was and what it looked like</li> <li>□ c. How I felt when I watched the video</li> </ul>
6.	When I go to a department meeting, I:
	<ul> <li>□ a. Need to repeat the information to myself</li> <li>□ b. Need to read the information</li> <li>□ c. Need to write the information down</li> </ul>
7.	When I need to remember job instructions, I:
	<ul> <li>□ a. Listen carefully to the instructions as they are read</li> <li>□ b. Try to "see" the instructions in my mind</li> <li>□ c. Try to make my own diagram or summary of the instructions</li> </ul>
8.	I like to learn new things at work by:
	<ul> <li>□ a. Listening to someone tell how it is done</li> <li>□ b. Reading about how it is done</li> <li>□ c. Seeing someone do it</li> </ul>
9.	If I am confused about what a word means, I:
	<ul> <li>□ a. Listen to someone use it in a sentence</li> <li>□ b. Look it up in a dictionary</li> <li>□ c. Ask a co-worker or supervisor what it means</li> </ul>
10.	What I like to read is:
	<ul> <li>□ a. Stories that have a lot of conversation</li> <li>□ b. Stories that have lots of descriptions of people, places and events</li> <li>□ c. Stories with a lot of action</li> </ul>
11.	I usually remember people I have met by their:
·	□ a. Names □ b. Faces □ c. Actions and expressions



12.	It is hard for me to concentrate at work when I:
	<ul> <li>□ a. Hear many different noises</li> <li>□ b. See many people and a lot of activity</li> <li>□ c. Feel too hot or too cold</li> </ul>
13.	I like to find out the latest news at work by:
	<ul> <li>□ a. Hearing it from my supervisor or a co-worker</li> <li>□ b. Reading a bulletin board or memo</li> <li>□ c. Walking around and checking it out myself</li> </ul>
14.	At work I like it best when I:
	<ul> <li>□ a. Talk to my co-workers</li> <li>□ b. See different people</li> <li>□ c. Work with machinery, computers and office equipment</li> </ul>
15.	When I have to learn something for my job, I:
	<ul> <li>□ a. Memorize the steps in the order I will do them</li> <li>□ b. Try to see how to do it in my mind</li> <li>□ c. Actually do the job</li> </ul>
	SCORING
Count	the total number of answers you have for each letter and write them below
	aAuditory learner: learns best by listening and discussing
	bVisual learner: learns best by viewing, examining and reading
	cTactile/Kinesthetic learner: learns best by handling, touching, moving, doing and experiencing.
	nighest total indicates your perceptual learning preference. Your next highest total indicates er strong preference, especially if the numbers are close.



## STRATEGIES TO HELP YOU LEARN AND REMEMBER

## For the auditory learner:

- Teach someone else what you have learned
- Summarize what you want to learn aloud or to someone else
- Quiz yourself out loud or ask someone else
- Try a solution to a problem verbally before doing it
- Ask your supervisor or co-worker to give you verbal explanations or directions
- Find a co-worker with whom you can discuss directions, explanations, instructions, etc.

## For the **visual** learner:

- Take notes during meetings
- Write summaries in your own words of procedures, explanations, etc.
- Write down oral instructions
- Read directions silently instead of out loud to gain maximum understanding
- Highlight important details in written instructions, procedures, memos, etc.
- Make lists of things you need to remember to do
- Try to get a mental picture of what you are reading or listening about in a meeting to better retain this verbal information
- Ask supervisors or co-workers to provide models of successful procedures, completed products, and written work to better understand company expectations

## For the tactile - kinesthetic learner:

- Manipulate or assemble objects, materials, or models
- Draw, underline, and highlight written instructions
- Make your own diagrams, charts, time lines, or summaries using your own words
- Break up your learning time into manageable time blocks, if possible
- Take short breaks to stretch and move around
- Tap a pencil, finger, or foot while you are trying to learn a new procedure



## SOME CHARACTERISTICS OF ADULTS AS LEARNERS

## Attitudes

Apprehensive - Threatened by formal tests - Insecure about new learning situations - Don't believe they can learn "this stuff" and become readers.

What you can do: Provide frequent reassurance and encouragement - Motivate with sincere, judicious praise - Help learners experience success at each session - Provide opportunities to practice new skills - Believe in the learner's ability to learn.

## Learning Abilities

Learn unevenly-like and need to learn at their own pace - Do not want to make mistakes - Have varying levels of intelligence - Have specific style (way) of learning - Have gaps in their knowledge - Learn best through practical lessons which have tangible goals and which satisfy personal needs - Learn best when a variety of teaching strategies are used.

What you can do: Allow enough time for mastery of learning tasks - Plan goals with your student - Be careful of setting expectations too low or too high - goals should present a challenge but be attainable - Offer choices of activities and materials.

## Motivation, Values, Goals

Motivated by need for security, new experience, recognition, self-esteem conformity, and need to help others - May have conflicting goals - Their goals may be quite different from yours - May need help to set realistic goals - Want to see immediate benefits.

What you can do: Use shared decision making to determine long and short term goals - Respect their goals, especially if they are different from yours - Plan lessons which include specific skills.

## Needs

To experience success - To believe they can change - To be involved in assessing their own progress - To be respected for their abilities - To see immediate benefits.

What you can do: Help students experience some degree of success every lesson if possible - Provide frequent reassurance and encouragement - Give progress reports and opportunities for self evaluation - Treat tutoring as a partnership between equals - Emphasize the skills and strengths the learner already has obtained.



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## Other

Prefer to make their own decisions - Don't want to be treated like children - Have had varied and often rich life experiences--they enjoy having their talents and information shared and used in teaching situations - Work long hours - May have had bad memories of prior school experiences - May drop out easily - Sensitive to non-verbal communication.

What you can do: Select meaningful and relevant learning activities, avoid busy work - Be aware of you non-verbal messages (facial expressions, gestures, tone of voice) - Welcome the enrichment of sharing relevant personal experiences - Encourage learner to continue studying - Be patient - Recognize the learner's physical limitations - Learn from your student.



## AGENDA

## **SUPERVISOR MEETING 2**

## HOW AND WHAT YOU COMMUNICATE

- 1. Topics: Expected Employee Behaviors
- 2. Effective Listening: Listening Facts

  Common Reasons for Not Listening
- 3. Asking Questions: Questioning
- 4. Providing Feedback: Feedback Skills
- 5. Communication Summary: Eight Communication Suggestions

## HOW AND WHAT YOU TRANSFER

- 1. National Grant Evaluation Chart
- 2. 6 Step Student Transfer Process

## HOW AND WHAT YOU EVALUATE

- 1. Supervisor Questionnaire
- 2. Supervisor's Assessment Form
- 3. Workshop Evaluation Sheet



## **Expected Employee Behaviors**

Place a check mark next to those behaviors you expect of your staff. Then go back and place an X next to those behaviors you have a difficult time getting.

I expect employees to . . .

Time			
	Be on time for work, meetings, appointments.		
	Be prompt in returning from breaks.		
	Be responsible for their own time, taking breaks and lunch when needed.		
	Give early notification of absences due to illness.		
	Stick to assigned break and lunch times.		
	Give requests for vacation time in advance.		
	Meet deadlines on projects and tasks.		
	Give advance notification of deadlines that can't be met.		
	Other:		
	Taking Initiative and Solving Problems		
	Suggest improvements and solutions.		
	Participate in staff meetings by discussing and sharing.		
	Work together to find solutions to problems.		
	Take independent action to deal with problems, then tell me about it.		
<del></del>	Use good judgment about when to ask me before they take independent action.		
	When carrying out delegated tasks, check in with me as planned.		
	Other:		
	Announcing Problems and Giving "Bad News"		
	Let me know when there's a problem so we can fix it.		
	Tell me when they disagree.		
	Let me know when they are having difficulty.		
<del></del>	Tell me about complaints from clients/customers.		
	Let me know when a mistake has been made.		
	Other:		
	Communication		
	Let me know when something is unclear or confusing.		
	Ask if they don't understand.		
	Speak English on the job.		
	Make no derogatory remarks about another group.		
	Not speak another language around others who do not understand.		
	Other:		

## **Listening Facts**

People fail to understand about half of what they hear. And they quickly forget half of that.
Recall of details from a listening situation dramatically drops after a few hours, the next day and then continues at a slower rate.
Poor listening habits are not restricted to low intelligence.
Listening problems occur because some individuals can comprehend words 3 to 4 times as fast as the average person can talk.
Human speech varies widely in speed according to gender (men 150 words per minute and women 175), region, country, culture. 160 words per minute is average.



## How Good a Listener Are You?

Check off on the chart the reasons for not listening that apply to you. Skip those which you feel never, or almost never, apply in your case. Indicate the frequency with which you indulge in the others. Then total your checks at the bottom of each column.

## Common Reasons for Not Listening

	How often you s	How often you say it		
What you say to yourself	Now and then	Fairly often	Very often	
I want to talk first.				
I'm thinking about what I'm going to say.				
I'm not interested in the subject.				
That's too hard to understand.				
I don't like you.				
I don't like the way you talk.				
I'm too upset, or worried, about other things.				
I don't want to believe what I know you're about to tell me.		1		
I'd rather give my attention to people or activities around me.				
I'd rather daydream or doodle.				
Total check marks,				

- (1) If you placed no check marks next to most of the items on this list, and maybe just 2 or 3 in the first column, you tend to be unusually open-minded about listening.
- (2) If most of your check marks are in the "Now and then" column, that's not too bad. We all slip at times.
- (3) If there are any check marks in the last column, you have a problem. Several checks indicate that you're closing the door to any reception at all.

NOW: Reflect on your responses and try to stop yourself when you realize you are falling into the above listed patterns. If you can do this, you're making an important first step.

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Walton, Donald. Are You Communicating? McGraw Hill, 1989



#### **QUESTIONING**

The important thing is never to stop questioning. Albert Einstein

It's better to know some of the questions than all of the answers. James Thurber

Questions:

should demand two way participation should bring people closer together should create a lively exchange of ideas should value other opinions and request aid

should request specific information or clarification

#### Instructions:

Would these questions be appropriate: (a) for supervisors to ask and (b) for learners to use? Why or why not? Make changes to the questions accordingly.

- "What would you do in this circumstance?"(a)(b)
- "What do you think about this?"
  (a)
- (b)"Do you have any suggestions?"(a)
- "What's your opinion of this approach?"(a)
- (b)"Will you tell me what you know about this situation?"(a)
- "Have you ever had this kind of problem?"
  (a)
- (b)

  "Will you help me?"

  (a)



#### FEEDBACK SKILLS

1. Make observations about behaviors and conditions, not judgments about the person.

Judgment/Evaluation	Behavior/Situation
a. This report is incomplete.	I'd like to see a table of contents and summary added
b. Your absenteeism has become a problem.	
c. Your work is sloppy.	
d. I'd like you to speak English.	
e. I'd like you to speak English.	
2. Use the passive rather than the active voice.	
Active	Passive
a. You forgot to turn off the air conditioner	The air conditioner was left on all night.
o. You made some errors in these computations.	
c. You are late to work again.	
d. The night shift left these charts incomplete.	<u> </u>
e. You are slow in returning these forms.	
3. Be positive, telling what you do want, not what you do	on't.
Negative	Positive
a. That's not the way to do that.	Try it this way.
Don't be late to the meeting.	
<ol> <li>Don't forget that your time cards are due on Thursdays now.</li> </ol>	
d. There's not enough initiative in this department.	
e. You're not following procedures.	



# Eight Communication Suggestions for Supervisors

1	Keep it simple: sentence structure, vocabulary, instructions
2.	Speak clearly: normal tone and speed
3.	Use effective questioning: begin with yes/no and progress to "wh" (who, what, why where, when), be specific, be inclusive
4.	Present appropriate information: sequentially, in small chunks
5.	Provide feedback: effectively, check for comprehension
6.	Demonstrate good listening skills: active, not passive
7.	Be patient: repeat, use body language, make it visual
8.	Walk in their shoes: language, education, attitudes, values



# Evaluation of National Workplace Literacy Program College of Lake County

LEVEL FOUR	Organizational Impact	+ promotion + safety + error/scrap
LEVEL THREE	Transfer of Learning Class to Work to Home	+ student transfer cards + supervisor interviews + anecdotes
LEVEL TWO	General and Workplace Knowledge	+ standardized assessment + mastery of learning objectives + customized assessment
LEVEL	Reactions and Satisfaction	+ Surveys + Questionnaires + NWLIS
LEVELS	WHAT IS MEASURED	HOW IT IS MEASURED

#### Learner Transfer Activity

In class: Pre-transfer

#### First Step

Ask learners to think about a skill they are learning that can be used in the workplace. Give them some ideas to start with, such as the objectives, or some skills that have been worked on in class.

#### Second Step

Present an example of transfer, such as the following:

A learner has been practicing writing complete sentences and short notes in class. He learns this skill in class in order to write a note stating the reason for a machine slowdown or breakdown. Transfer occurs when a note is written in the workplace and then can extend to her/his personal life. For example, he will be able to write a note to his landlord requesting a needed home repair.

#### Third Step

Have learners brainstorm a list of skills that could be transferred to the workplace.

#### Fourth Step

From the list, have learners choose one skill that they think they can transfer to their jobs and have them write it on an index card. If they cannot write it down, have them tell you, and you write it down for them.

#### Fifth Step

Ask learners to brainstorm a list of things that might make it difficult for them to use this skill on the job. Difficulties might be: production is going well and there is no need for a note, or a coworker may volunteer to orally pass the information to the supervisor. Brainstorm possible solutions or alternatives.

#### Sixth Step

Explain that there are different measures of success in the transfer process, and encourage learners to consider the transfer successful if they try to USE the skill, not just if they get the desired results.

#### Seventh Step

Tell learners to write down how the skill was transferred on the back of the index card before they come to class the following week

In class: Post transfer

#### Eighth Step

Have learners share what they have written on their cards, discussing what did and didn't work, and why.

#### Ninth Step

Record learners comments, and incorporate appropriate information into the course.

#### Tenth Step

Incorporate transfer activities into your regular lesson plans (every third class, or so). The goal is for learners to think about transfer so frequently that it becomes internalized.

#### **Eleventh Step**

Submit all transfer cards to the grant staff, and provide input on the effectiveness of this evaluation.

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appreciate your voluntarily answering the following questions. Please check the response you feel is appropriate for the majority of the We have conducted Workplace Literacy Classes at your workplace. In order to evaluate and improve our program we would employees who were in the classes. Communication skills include mathematics, reading, writing, speaking, and listening

	YES	NO NO	COMMENTS
1. Do the employees commit fewer on-the-job errors because of improved reading skills?			
2. Have the self-images of the employees improved?			
3. Has the productivity of the employees improved?			
4. Has there been an improvement in on-the-job behavior?			
5. Have the employees gained additional knowledge about their jobs?			
6. Have the employees improved their communication skills with peers?			
7. Has job motivation improved?			
8. Do the employees use more precise language in oral communication?			
9. Do the employees use more precise language in written communication?			
10. Has the potential for promotion improved?			
11. Have you encouraged the employee to seek further educational opportunities?			
12. Do you think the employees have benefited from the classes?			

### SUPERVISOR'S ASSESSMENT FORM

Supervisor's Name
Company
Department
1. What type of communication do you have with the employees?
before shift instructions
machine breakdown
other
2. What method of communication is used?
one on one
group
meetings
how often?
3. Do you have an office?
Do workers come to you?
For what reasons do they come to you?
How often?



4.	Do you use interpreters?
	How often?
5.	How do employees report illness?
	To whom?
6.	What language is needed in punching in and out?
7.	How are plant rules and safety communicated to employees?
8.	Do employees need to fill in forms or reports in their jobs?
	How often?
9.	Do you have to deal with misunderstanding between ethnic groups?
10	Does the lack of oral or written English hinder advancement for employees?
11.	Does the lack of numeracy hinder advancement for employees?
12	Does the lack of technical training hinder advancement for employees?
13.	Do you post information on the bulletin board?
14	Is there a need for Statistical Process Control training incorporated into classes?



,	
j	If so, how many?
	Is there a need for upgrading skills in English and Mathematics for some of the employees in order for them to deal with either technical or communication changes in the company?
<b>7</b> .	What language elements would you like your workers to learn?
	job related words
	understanding instructions
	explaining problems
	dealing with the unexpected
	safety
	machine breakdown reporting and explaining
	expressing facts
	social language
	memo writing
	report writing
	charting
8.	For what reasons do you want your employees to go to English classes?



# National Workplace Literacy Program College of Lake County 19351 W. Washington Street Grayslake, IL 60030

Supervisor Meeting Evaluation Form

# \*Circle the number that best expresses your opinion 6 Very much so - - 1 not at all

	Ver muc	y s <u>h so</u>				Not at all
Was the material well presented?	6	5	4	3	2	1
Would you recommend this workshop to others?	6	5	4	3	2	1
Are there any features of the works	shop yo	ou would	l change	?		
What were especially valuable port	ions of	this wor	rkshop?			-
	ions of	this wor	rkshop?			
	ions of	this wor	rkshop?			
What were especially valuable port	ions of	this wor	rkshop?			

Thank you for your comments



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